

ABSTRACT OF THE DISCLOSURE

A diffractive micro-structure color wavelength division
5 device makes use of diffraction theory, binary optics theory, and
operation of phase iteration algorithm to its complex
two-dimensional surface phase micro-structure. The color
wavelength division device has a multi-wavelength modulation
function and is capable of wavelength division and focus,
10 thereby resulting in structural simplification and enhancement of
light utilized efficiency of a color image system.